



Certificate of Analysis

IL-23 alpha & IL-12 beta Heterodimer Protein, Rat (HEK293, His)

Cat. No.: HY-P73195
Batch No.: 264363
Species: Rat
Source: HEK293
Tag: C-10*His
Accession: NP_569094.1 (V22-A196) & EDM04146.1 (M23-S335)
Gene ID: 155140&64546
Molecular Weight: Approximately 23 & 43 & 48 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 90% as determined by reducing SDS-PAGE	93.00%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability to induce IL17 secretion by mouse CTLL-2 cells. The ED ₅₀ for this effect is 4.136 ng/mL, corresponding to a specific activity is 2.41×10 ⁵ U/mg.	PASS
Appearance	Lyophilized powder.	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).	
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.	
Shipping	Room temperature in continental US; may vary elsewhere.	

Caution: Product has not been fully validated for medical applications. For research use only.

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